DS900i-GSM Digital Wireless Transmitter

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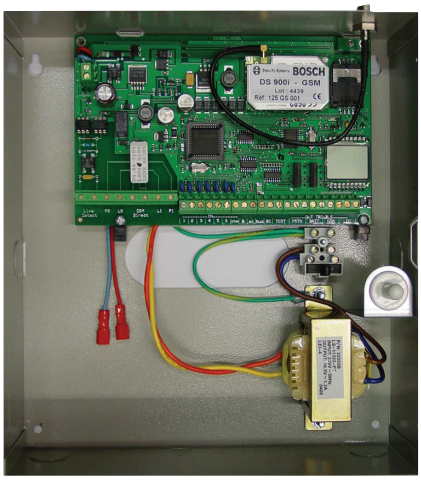

- Universal interface
- Supports security formats
- Supports dual-path communications
- PABX compatible
- LCD display

The DS900i-GSM is an advanced solution to secure most alarm transmission installations with a dual-path security communication system. It is also a wireless SMS (Short Message Service) communicator with six dedicated inputs and one remote output. The interface constantly monitors the telephone line (PSTN) and in the event of a failure or a line being cut, the communications are automatically sent to the central station over the wireless digital network GSM (Global System for Mobile communications) in its native format.

Functions

Universal Interface
Connects to most control/communicators and receivers.

Supports Security formats
Alarm messages are delivered in their original format (Pulse, DTMF, Contact ID, Vocal), requiring no changes at the central station.

Supports Dual-path Communications
It is a direct six-input wireless communicator using SMS message services for personal calls to mobile phones and can be used as a stand-alone main phone line for all voice calls when fixed PSTN lines are not available.

PABX Compatible
The DS900i-GSM is designed to operate in connection with a PABX telephone system. When so installed, the incoming ISDN line is monitored, and the system can be programmed to filter the PABX prefix and re-route the call via GSM. A built-in ring generator allows answering.

LCD Display
Visual two-character LCD display that indicates GSM reception level, type of network connection, call sequence, and system faults and operation

24-hour Supervision Outputs
Relay contact outputs activated for:

- **GSM Fault:** From 10 sec. to 99 sec. delay,
- **PSTN Fault:** From 5 sec. to 99 sec. delay,
- **Battery Fault:** Under 11.5 Vcc,
- **GSM Test:** Output from 0 to 99 hrs.
- **Local Alarm:** If both networks are out

Certifications and approvals

Approvals

Region	Certification
Europe	CE

Parts included

DS900i-GSM consists of the following elements:

Quantity	Component
1	DS900i-GSM main board with regulated power supply and integrated GSM module
1	3 dB antenna and 2.7-m cable
1	Ground plane antenna bracket
1	230 VAC/16.5 VAC power transformer
1	Metal enclosure

Notice
12 VDC/ 7 Ah Battery not supplied.

Technical specifications

Antenna:	50 Ω, 3 dB
Back-up Battery:	12 VDC, 7 Ah (optional)
Enclosure Design	
Dimensions:	26 cm x 23 cm x 7.5 cm
Material:	0.9-mm thick cold rolled steel
Environmental Considerations	
Temperature (Operating):	0°C to + 55°C
GSM Modem	
Current Draw:	120 mA idle; 600 mA max. while in communication
Frequency (Dual):	900 MHz / 1800 MHz
Power (Transmission):	2 W
Voltage (Input):	12 VDC
Outputs	
Alarm:	Dry contact rated at 1 A, 50 Vcc
Tamper:	Normally Closed (NC) contact rated at 28 Vcc, 125 mA maximum
Power Requirements (Primary)	
Voltage (Input):	230 VAC, 50/60 Hz
Power Requirements (Secondary)	
Voltage (Input):	16 VAC to 18 VAC; 1 A, 20 VA

Ordering information

DS900i-GSM Digital Wireless Transmitter
Provides dual-path security communication. Provides wireless SMS communication, six dedicated inputs, and one remote output. Sends communications to the central station over the wireless digital network GSM during a telephone line failure.
Order number **DS900i-GSM**

Accessories

Conettix DX4020 Ethernet Network Interface Module
Creates two-way communications over Ethernet networks for compatible control panels.
Order number **DX4020**

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